



# AMATEUR RADIO WEEKLY

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## Top links

### New technology may double radio frequency data capacity

A team of Columbia Engineering researchers has invented a technology—full-duplex radio integrated circuits (ICs)—that can be implemented in nanoscale CMOS to enable simultaneous transmission and reception at the same frequency in a wireless radio.

[Columbia University](#)

### SARnet: Florida's state-wide repeater network

SARnet utilizes the FDOT microwave system as a backbone.

[Frugal Florida Fun](#)

### The origin of SOS

The first recorded use of SOS was Jan. 23, 1909, when a liner called the Republic and an Italian liner called the Florida collided in the dense fog while passing Nantucket.

[TimesDaily](#)

### Swapping gamma rods for better SWR

I chose a point 10cm further at the radiator as resonance will be rising.

[PE4BAS](#)

### China v. Japan

Within a few years we will see the amateur radio market flooded with quality products made in China with low prices.

[AmateurRadio.com](#)

### Software Defined Receivers (SDRs) for the visually impaired

I can say that all the software packages delivered with SDRs have issues and challenges when it comes to using them along with a screen reader.

[The SWLing Post](#)

### SDR Round-up

New software defined radio (SDRs) products are popping up every few months these days so we thought we'd compile a big list of available SDRs as there are a few people who were bitten by the

RTL-SDR bug and are now looking to upgrade.

[RTL-SDR.com](#)

## **A serious rift in the core Arduino team**

One of the founding team members has gone off on his own, claiming rights to Arduino and starting a separate operation.

[Make:](#)

## **What is Skip Signal Fade?**

With long distance propagation using ionospheric skip received signals will often fade in and out, being stronger and weaker over the course of a few seconds. What's the cause of this irregular fading?

[Ham Radio School](#)

## **Did the eclipse affect propagation?**

For the full 24 hours of 20th March, Derek G4SWY took world map screen shots of propagation as reported on WSPRnet.org every 4 minutes on 600, 160, 80 and 40 Meters.

[Southgate](#)

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## **Video**

### **Comparing whip lengths**

The end result is you can't beat more wire in the air.

[M0GVZ](#)

### **20 meter contact with the Canary Islands**

I came to find that the location I contacted was around 4,300 miles away! That is INCREDIBLE!

What a great hobby we are involved in.

[N5WXW](#)

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## **New products**

### **Bluetooth microphone for mobile**

Compatible with different brands of mobile radio, like Icom, Yaesu, Motorola, Kenwood and more.

[PD0AC](#)

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Thank you for reading. 73

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